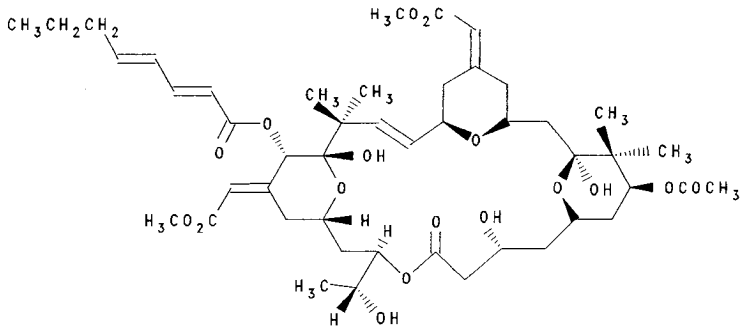
BRYOSTATIN
WITH PET DILUENT

NSC - 339555



Chemical Name: Bryostatin 1

Other Name: Bryostatin 1

CAS Registry Number: 83314-01-6

Molecular Formula: $C_{47}H_{68}O_{17}$ **M.W.:** 905

How Supplied:

NSC - 339555 Sterile, 0.1 mg, vial: supplied as a white lyophilized cake or powder with 5 mg of povidone, USP, in a 6 cc flint vial.

Special Diluent: NSC - 641159 Vial: PET (60/30/10) diluent, polyethylene glycol 400 (60% v/v), dehydrated ethyl alcohol (30% v/v), and polysorbate 80 (10% v/v), in a 2 cc flint vial.

> **CAUTION:** The single-use lyophilized dosage form contains no antibacterial preservatives. Therefore, it is advised that the constituted product be discarded within 8 hours of initial entry.

Solution Preparation: 0.1 mg/vial : Constitution with 1 mL of PET (60/30/10) diluent results in a solution containing 100 micrograms of bryostatin with 5 mg of povidone, USP, and polyethylene glycol 400 (60%), dehydrated ethyl alcohol (30%), and polysorbate 80 (10%), v/v.

> **CAUTION:** The primary solution must be diluted before use.

After swirling the vial to completely dissolve the contents, the resulting solution must be further diluted with nine volumes of 0.9% sodium chloride injection, USP. The resulting solution contains 10 mcg/mL of bryostatin and is stable for at least 24 hours.

CAUTION: The use of polyvinylchloride (PVC) bags is not recommended as plasticizer is leached and some limited adsorption occurs.

Storage: Store the intact vials under refrigeration (2-8 °C).

Stability: Shelf-life surveillance of the intact vials is ongoing.

The diluted solution of bryostatin at a concentration of 10 mcg/mL was physically and chemically stable under normal laboratory lighting for at least 24 hours at room temperature.

Route of Administration: Intravenous